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## In The Claims

- 1. (previously presented) A method for treating a disease state in mammals caused by mammalian nasal and sinus cells involved in the inflammatory response comprising contacting the mammalian nasal and sinus cells with an inflammatory mediator; wherein the inflammatory mediator is present in an amount capable of reducing the undesired inflammatory response, is an antioxidant, and is selected from the group consisting of pyruvate and a pyruvate precursors, wherein the pyruvate precursor is not propylene glycol.
- 2. (original) The method according to claim 1, wherein the inflammatory mediator is formulated into nasal drops.
- 3. (original) The method according to claim 2, wherein the inflammatory mediator is formulated in a concentration of about 0.1mM to 10.0 mM.
- 4. (original) The method according to claim 1, wherein the inflammatory mediator is formulated into a nasal ointment.
- 5. (original) The method according to claim 4, wherein the inflammatory mediator is formulated in a concentration of 0.1mM to 10.0 mM.
- 6. (original) The method of claim 1, wherein the inflammatory response being reduced is at least one of the following: oxygen radical production, hydrogen peroxide production, cytokine and protease production, prostaglandin production, erythema, histamine and interleukin production.

## 7. (canceled)

- 8. (previously presented) The method of claim 1, wherein the inflammatory mediator is pyruvate.
- 9. (previously presented) The method of claim 8, wherein the pyruvate is selected from the group consisting of pyruvic acid, lithium pyruvate, sodium

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pyruvate, potassium pyruvate, magnesium pyruvate, calcium pyruvate, zinc pyruvate, manganese pyruvate, and mixtures thereof.

- 10. (previously presented) The method of claim 1, wherein the inflammatory mediator is a pyruvate precursor.
- 11. (previously presented) The method of claim 10, wherein the pyruvate precursor is selected from the group consisting of pyruvyl-glycene, pyruvyl-alanine, pyruvyl-leucine, pyruvyl-cysteine, pyruvyl-valine, pyruvyl-isoleucine, pyruvyl-phenylalanine, pyruvamide, dihydroxyacetone, and salts of pyruvic acid.
- 12. (original) The method of claim 1, wherein the disease state is selected from the group consisting of rhinitis, eosiophilia syndrome, and sinusitis.
- 13. (original) The method of claim 1, further comprising contacting the mammalian nasal and sinus cells with a therapeutic agent.
- 14. (original) The method of claim 13, wherein the therapeutic agent is administered prior to the inflammatory mediator.
- 15. (original) The method of claim 13, wherein the therapeutic agent is administered concomitantly with administration of the inflammatory mediator.
- 16. (original) The method of claim 13, wherein the therapeutic agent is administered after administration of the inflammatory mediator.
- 17. (original) The method of claim 13, wherein the therapeutic agent is one or more agents selected from the group consisting of antibacterials, antivirals, antifungals, antihistamines, proteins, enzymes, hormones, nonsteroidal anti-inflammatories, cytokines, insulin, vitamins and steroids.
- 18. (original) The method of claim 13, wherein the therapeutic agent is oxymetazoline.

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19. (withdrawn) A nasal solution, comprising:

- a) water,
- b) sodium chloride, 0.65% by weight,
- c) pyruvate, at least 0.1mM,
- d) buffer, and optionally
- e) a preservative.

wherein the nasal moisturizing saline solution is buffered and made isotonic.

- 20. (withdrawn) The nasal solution of claim 19, wherein the pyruvate is present in the solution at a concentration between from about 0.1mM to about 10mM.
- 21. (withdrawn) The nasal solution of claim 19, wherein the pyruvate is present in the solution at a concentration between from about 0.5mM to about 10mM.
- 22. (withdrawn) The nasal solution of claim 19, wherein the buffer is selected from the group consisting of sodium bicarbonate, disodium phosphate/sodium phosphate, and monobasic potassium phosphate/sodium hydroxide.
- 23. (withdrawn) The nasal solution of claim 19, wherein the preservative is selected from the group consisting of phenylcarbinol, benzalkonium chloride, and thimerosal.
- 24. (withdrawn) The nasal solution of claim 19, wherein the pyruvate is present in the solution at a concentration of about 5mM, the buffer is sodium bicarbonate.
- 25. (withdrawn) The nasal solution of claim 19, further comprising a therapeutic agent wherein the therapeutic agent is one or more agents selected from the group consisting of antibacterials, antivirals, antifungals, antihistamines, proteins, enzymes, hormones, nonsteroidal anti-inflammatories, cytokines, insulin, vitamins and steroids.
- 26. (withdrawn) The method of claim 13, wherein the therapeutic agent is oxymetazoline.

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27. (previously presented) A method for the treatment of rhinitis, eosinophilia syndrome, and sinusitis, comprising administering a nasal solution to the nostrils of a patient in need thereof, wherein the nasal moisturizing saline solution comprises:

- a) water,
- b) sodium chloride, 0.65% by weight,
- c) pyruvate, at least 0.1mM,
- d) buffer, and optionally
- e) a preservative.

wherein the nasal moisturizing saline solution is buffered and made isotonic.

- 28. (original) The method of claim 27, wherein the pyruvate is present in the solution at a concentration between from about 0.1mM to about 10mM.
- 29. (original) The method of claim 27, wherein the buffer is selected from the group consisting of sodium bicarbonate, disodium phosphate/sodium phosphate, and monobasic potassium phosphate/sodium hydroxide.
- 29. (original) The method of claim 27, wherein the preservative is selected from the group consisting of phenylcarbinol, benzalkonium chloride, and thimerosal.
- 30. (original) The method of claim 27, wherein the pyruvate is present in the solution at a concentration of about 5mM, the buffer is sodium bicarbonate, and the preservative is phenylcarbinol.
- 31. (previously presented) The method of claim 13, wherein the therapeutic agent is an antibacterial.